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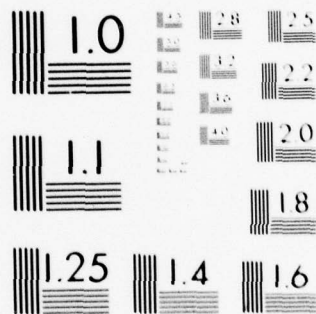
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**18 GIDEP 12 28 P1**

Contains an index to all publications of the Ship Structure Committee in their SSC series from the time of its formation in 1946 to December 1973. Topics dealt with include plate fracture and testing, cracking, cleavage fracture, hull evaluation, properties of steels, metallurgical aspects, welded structures and stress behavior. These documents are distributed by the National Technical Information Service, Springfield, Va. 22151.

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- SSC-1, *Cleavage Fracture of Ship Plate: Hatch Corner Tests* by E. P. DeGarmo, J. L. Meriam, R. C. Grassi, J. W. Harman, and M. P. O'Brien. July 24, 1946. AD 636741
- SSC-2, *Causes of Cleavage Fracture in Ship Plate: Flat Plate Tests* by H. E. Davis, G. E. Troxell, A. Boodberg, E. R. Parker, and M. P. O'Brien. August 23, 1946. AD 636742
- SSC-3, *Cleavage Fracture of Ship Plates as Influenced by Size Effect* by W. M. Wilson, R. A. Hechtman, and W. H. Bruckner. August 20, 1946. AD 646363
- SSC-4, *Direct Explosion Test for Welded Armor and Ship Plate: Prime and Welded Plate Tests* by W. A. Snelling. August 30, 1946. AD 635769
- SSC-5, *Causes of Cleavage Fracture in Ship Plate: Hatch Corner Tests* by E. P. De Garmo, J. L. Meriam, and M. P. O'Brien. October 23, 1946. AD 636743
- SSC-6, *Investigations of Brittle Cleavage Fracture of Welded Flat Plate by Means of a Bend Test* by H. E. Davis, G. E. Troxell, E. R. Parker, and A. Boodberg. March 10, 1948. AD 72181
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- SSC-8, *Causes of Cleavage Fracture in Ship Plate: Flat Plate Tests and Additional Tests on Large Tubes* by H. E. Davis, G. E. Troxell, E. R. Parker, A. Boodberg, and M. P. O'Brien. January 17, 1947. AD 636746
- SSC-9, *Correlation of Laboratory Tests with Full-Scale Ship Plate Fracture Tests* by M. Gensamer, E. P. Klier, T. A. Prater, F. C. Wagner, J. O. Mack, and J. L. Fisher. March 19, 1947. AD 636752
- SSC-10, *Cleavage Fracture of Ship Plates as Influenced by Size Effect* by W. M. Wilson, R. A. Hechtman, and W. H. Bruckner. June 12, 1947. AD 635148
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- SSC-12, *Investigation of Means for Evaluating the Quality of Hull Plate Steel by Tests Conducted on Furnace or Ladle Samples* by W. G. N. Heer, S. A. Herres, and C. H. Lorig. October 15, 1947. AD 635763

- SSC-13, *Metallurgical Quality of Steels Used for Hull Construction* by C. E. Sims, H. M. Banta, and A. L. Walters. November 17, 1947. AD 635149
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- SSC-16, *Causes of Cleavage Fracture in Ship Plate: Hatch Corner Design Tests* by E. P. DeGarmo and A. Boodberg. December 4, 1947. AD 636739
- SSC-17, *Correlation of Laboratory Tests with Full-Scale Ship Plate Fracture Tests: A Study of Strain Gradients* by E. P. Klier, F. C. Wagner, J. L. Fisher, and M. Gensamer. June 8, 1949. AD 635794
- SSC-18, *Correlation of Laboratory Tests with Full-Scale Ship Plate Fracture Tests* by C. Wagner and E. P. Klier. May 12, 1948. AD 71728
- SSC-19, *Correlation of Laboratory Tests with Full-Scale Ship Plate Fracture Tests: Analysis of True-Stress True-Strain Data on Project Steels* by E. P. Klier, J. O. Mack, F. C. Wagner, and M. Gensamer. June 21, 1950. AD 635766
- SSC-20, *Investigation of Means for Evaluating the Quality of Hull Plate Steel by Tests Conducted on Furnace or Ladle Samples* by J. A. Davis, S. A. Herres, C. T. Greenridge, and C. H. Lorig. November 30, 1948. AD 635787
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- SSC-24, *The Fundamental Factors Influencing the Behavior of Welded Structures under Conditions of Multi-axial Stress and Variations of Temperature, Stress Concentration, and Rates of Strain* by G. Sachs, L.J. Ebert, and A. W. Dana. May 10, 1949. AD 635171



- SSC-25, *Metallurgical Quality of Steels Used for Hull Construction* by C. E. Sims, H. M. Banta, and A. L. Walters. May 10, 1949. AD 72961
- SSC-26, *Metallurgical Quality of Steels Used for Hull Construction* by C. E. Sims, H. M. Banta, and A. L. Walters. June 8, 1949. AD 72962
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- SSC-41, *Evaluation of Improved Materials and Methods of Fabrication for Welded Steel Ships* by R. F. Baysinger, R. G. Kline, P. J. Rieppel, and C. B. Voldrich. October 1, 1951. AD 73102
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- SSC-43, *Evaluation of Notch Sensitivity of Mild Steel Ship Plate by Direct Explosion Test* by G. S. Mikhalapov. March 15, 1951. AD 635107
- SSC-44, *The Effects of Width and Thickness on Strength, Energy Absorption, and Transition Temperature for Internally Notched Flat Steel Plates* by S. T. Carpenter, W. P. Roop, A. W. Zell, and E. Kasten. November 15, 1951. AD 635764
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- SSC-50, *Welded Reinforcement of Openings in Structural Steel Members: A Determination of Strain Energy Distribution and True Stresses in the Plastic Range in Plates with Openings* by D. Vasarhelyi and R. A. Hechtman. March 10, 1952. AD 73011
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